



Attorney's Docket No. 5047 USA/TCG/PMD/LE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:)
 Kevin Mukai et al.) Examiner: Not Yet Assigned
 Application No.: 09/910,583) Art Unit: 1762
 Filed: July 20, 2001)
 For: METHOD AND APPARATUS FOR)
 CONTROLLING DOPANT CONCENTRATION)
 DURING BPSG FILM DEPOSITION TO REDUCE)
NITRIDE CONSUMPTION)

Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on October 10, 2003.

(Date of Deposit)

Claire Wallters

(Typed or printed name of person mailing correspondence)

Claire Wallters 10/10/2003

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Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

XX 37 C.F.R. §1.97(b).

_____ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e) or

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(1) A statement pursuant to 37 C.F.R. §1.97(e); and

(2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 10/10, 2003



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Substitute for Form 1449/PTO



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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of 2

<i>Complete if Known</i>	
Application Number	09/910,583
Filing Date	July 20, 2001
First Named Inventor:	Kevin Mukai
Art Unit	1762
Examiner Name	Not Yet Assigned
Attorney Docket Number	5047 USA/TCG/PMD/LE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	us-	2002/0000195 A1	01-03-2002	Bang et al.	
	us-	4,557,950	12-10-1985	Foster et al.	
	us-	5,094,984	03-10-1992	Liu et al.	
	us-	5,656,556	08-12-1997	Yang	
	us-	6,030,445	02-29-2000	Gregg et al.	
	us-	6,091,121	07-18-2000	Oda	
	us-	6,099,647	08-08-2000	Yieh et al.	
	us-	6,110,556	08-29-2000	Bang et al.	
	us-	6,117,244	09-12-2000	Bang et al.	
	us-	6,159,870	12-12-2000	Chakravarti et al.	
	us-	6,177,344 B1	01-23-2001	Xia et al.	
	us-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 843 348 A2 /	05-20-1998	Applied Materials, Inc.		

Examiner Signature	Date Considered
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Complete if Known

Application Number	09/910,583
Filing Date	July 20, 2001
First Named Inventor:	Kevin Mukai
Art Unit	1762
Examiner Name	Not Yet Assigned

Attorney Docket Number

5047 USA/TCG/PMD/LE

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Patent No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		KERN, WERNER, ET AL., Simultaneous deposition and fusion flow planarization of borophosphosilicate glass in a new chemical vapor deposition reactor, Thin Solid Films, Elsevier-Sequoia S.A., Lausanne, CH, Vol. 206, No. 1/2, December 10, 1991, pages 64-69, XP000355313, ISSN: 0040-6090. /	
		ROBLES, STUARDO, ET AL., Gap Fill and Film Reflow Capability of Subatmospheric Chemical Vapor Deposited Borophosphosilicate Glass, Reprinted from Journal Of The Electrochemical Society, Vol. 143, No. 4, April 1996, ©1995, pgs. 1414-1421. /	
		XIA, L.-Q, ET AL., Process Characteristics for Subatmospheric Chemical Vapor Deposited Borophosphosilicate Glass and Effect of Carrier Gas, Reprinted from Journal Of The Electrochemical Society, Vol. 144, No. 9, September 1997, © 1997, pgs. 3208-3212. /	
		XIA, L.-Q., ET AL., High Aspect Ratio Trench Filling Using Two-Step Subatmospheric Chemical Vapor Deposited Borophosphosilicate Glass for <0.18 µm Device Application, Journal of The Electrochemical Society, Manchester, New Hampshire, U.S.A., Vol. 146, No. 5, May 1999, pages 1884-1888, XP001002961, ISSN: 0013-4651 /	
		Search Report for PCT/US 02/22608, mailed November 7, 2002, 4 pages. /	
		Search Report for PCT/US 02/23520, mailed November 25, 2002, 5 pages. /	

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